

This Page Is Inserted by IFW Operations
and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

As rescanning documents *will not* correct images,
please do not report the images to the
Image Problem Mailbox.



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/910,282	07/19/2001	Yasushi Yamade	011350-283	2056

7590

07/29/2004

Platon N. Mandros
BURNS, DOANE, SWECKER & MATHIS, L.L.P.
P.O. Box 1404
Alexandria, VA 22313-1404

EXAMINER

CAO, DIEM K

ART UNIT	PAPER NUMBER
----------	--------------

2126

DATE MAILED: 07/29/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No. 09/910,282	Applicant(s) YAMADE, YASUSHI	
	Examiner Diem K Cao	Art Unit 2126	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 19 July 2001.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-18 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-18 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date <u>10-22-2001</u> . | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. Claims 1-18 are presented for examination.

Priority

2. Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file.

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 1 and 11 are rejected under 35 U.S.C. 103(a) as being unpatentable over Dodson (U.S. 6,513,159 B1) in view of Canon Inc. (JP, 10-254708, A).

5. **As to claim 1**, Dodson teaches a method for installing a printer driver (installing new drivers from driver source; col. 2, lines 63-65) stored on a recording medium on a computer terminal (Driver source may be a computer-readable medium 145; col. 2, lines 51-54) comprising referring information set in the computer terminal (Master installer ... the platform configuration and its version; col. 3, lines 9-20), and determining what driver to install (determines what drives need to be installed or updated in the computer system; col. 5, lines 4-6 and 40-43), selecting one of the multiple drivers stored on the recording medium on the basis of

Art Unit: 2126

the computer's platform configuration and its version (the drivers that need to be installed are obtained from the driver source location; col. 5, lines 63-65), and installing the selected driver on the computer terminal (the needed drivers are installed on the computer system; col. 5, lines 66-67). Although Dodson does not explicitly teach printer drivers, Dodson teaches the computer system includes a printer, and different equipments, and the installing process install all the needed drivers so the computer system can control the printer and other equipments (col. 2, lines 26-32 and abstract). Inherently, Dodson teaches printer drivers.

6. However, Dodson does not teach referring regional information set in the computer terminal in advance. Canon teaches referring regional information set in the computer terminal in advance in order to install the correct software such as device drivers and application program (page 2, lines 20-24 and page 4, lines 17-20 and page 2, lines 3-6).

7. It would have been obvious to one of ordinary skill in the art at the time the invention was made to combine the teaching of Dodson and Canon because it would eliminate user's burden for selecting the software for the region that the user belong, and the manufacture can prepare only one kind of pre-installation software for each language, so that the manufacture can achieve a substantial saving in the process of preparation, evaluation, and management (page 6, lines 10-20).

8. **As to claim 11**, it corresponds to the method claim of claim 1 except it is a computer product claim.

9. Claims 2 and 12 are rejected under 35 U.S.C. 103(a) as being unpatentable over Dodson (U.S. 6,513,159 B1) in view of Canon Inc. (JP, 10-254708, A) further in view of Garney (U.S. 6,081,850).

10. **As to claim 2**, Dodson does not teach the selection step comprising steps of referring to a table that correlates the regional information with addresses where each printer driver is stored, and selecting one of the printer drivers by specifying an address corresponding to the regional information. Garney teaches device drivers are stored on a mass storage device of a computer system (col. 6, lines 1-10), the mass storage device has a look up table which maps each type of the card to a memory area of the mass storage device, and the device driver to control the card is stored in the memory area (col. 4, lines 44-55), and selecting one of the driver by specifying an address (point directly to the location on the mass storage device of the device driver; col. 9, lines 22-27). It would have been obvious to one of ordinary skill in the art at the time the invention was made to combine the teaching of Dodson and Garney because it would improve the performance of Dodson's system by referring directly to the locations of the software that need to be installed.

11. **As to claim 12**, see rejection of claim 2 above.

Art Unit: 2126

12. Claim 3 is rejected under 35 U.S.C. 103(a) as being unpatentable over Dodson (U.S. 6,513,159 B1) in view of Canon Inc. (JP, 10-254708, A) further in view of Harding (U.S. 5,794,052).

13. **As to claim 3**, Dodson does not teach the regional information set in the computer terminal in advance includes information concerning language set in the computer terminal. Harding teaches the regional information set in the computer terminal in advance includes information concerning language set in the computer terminal (The software setup ... language keyboard configuration; col. 13, lines 5-10). It would have been obvious to one of ordinary skill in the art at the time the invention was made to combine the teaching of Dodson and Harding because it reduces the time needed for setting up a computer system in a user selected language version of the operating system (abstract).

14. Claims 4-5 and 13-14 are rejected under 35 U.S.C. 103(a) as being unpatentable over Crick et al. (U.S. 5,781,797) in view of Canon Inc. (JP, 10-254708, A).

15. **As to claim 4**, Crick teaches referring information set in the computer terminal in advance (the driver configuration routine scans the load table, the load table contains a list of pointers to component drivers that are available to be configured into device driver; col. 5, lines 21-31), selecting a piece of setup information form multiple pieces of information stored on the computer based on the information (the routine selects the component driver pointed to by the last entry in the load table; col. 5, lines 58- 59 and each component driver performs a function

Art Unit: 2126

that may be used in accessing a device; abstract), installing a control program (device control block; col. 6, lines 10-13 and col. 5, lines 64-67) and the selected piece of setup information on the computer terminal (loading each remaining in the load table; col. 5, lines 63-64). Although Crick does not explicitly teach printer driver, Crick teaches the driver in general, it would have been obvious the printer driver could be installed instead.

16. However, Crick does not teach referring regional information set in the computer terminal in advance. Canon teaches referring regional information set in the computer terminal in advance in order to install the correct software such as device drivers and application program (page 2, lines 20-24 and page 4, lines 17-20 and page 2, lines 3-6).

17. It would have been obvious to one of ordinary skill in the art at the time the invention was made to combine the teaching of Crick and Canon because it would eliminate user's burden for selecting the software for the region that the user belong, and the manufacture can prepare only one kind of pre-installation software for each language, so that the manufacture can achieve a substantial saving in the process of preparation, evaluation, and management (page 6, lines 10-20).

18. **As to claim 5**, Crick teaches the selection step is executed by using a setup selection module (the driver configuration routine ... configured into device driver; col. 5, lines 22-27). However, Crick does not teach the setup selection module contained in the control program. Crick teaches the setup selection module is part of the operating system and used to configure the

Art Unit: 2126

device driver, it would have been obvious the location of the setup module could be stored in the control program instead for better maintain.

19. **As to claim 13**, it corresponds to the method claim of claim 4 except it is a computer product claim.

20. **As to claim 14**, see rejection of claim 5 above.

21. Claims 6-8 and 15-17 are rejected under 35 U.S.C. 103(a) as being unpatentable over Crick et al. (U.S. 5,781,797) in view of Canon Inc. (JP, 10-254708, A) further in view of Hanson (U.S. 6,148,346).

22. **As to claim 6**, Crick does not teach the setup information includes language information used for displaying the status of printing conditions a screen. Crick teaches the component driver performs a function that may be used in accessing a device (abstract). Hanson teaches the displayed GUI regarding the printer setup information, menu items selections and status information of the printer are provided from the printer driver (col. 5, lines 13-43). It would have been obvious to one of ordinary skill in the art at the time the invention was made to combine the teaching of Crick and Hanson because the component driver could be the function to display the printing condition on the screen.

Art Unit: 2126

23. **As to claim 7**, Crick does not teach the setup information includes information on printing paper sizes to be used on the printer. Crick teaches the component driver performs a function that may be used in accessing a device (abstract). Hanson teaches the displayed paper size is provided from the printer driver (col. 5, lines 53-59). It would have been obvious to one of ordinary skill in the art at the time the invention was made to combine the teaching of Crick and Hanson because the component driver could be the function to display the paper size to be used.

24. **As to claim 8**, Crick does not teach the setup information includes information on measurement unit systems to be used for setting up printing conditions and displays. Crick teaches the component driver performs a function that may be used in accessing a device (abstract). Hanson teaches the displayed GUI regarding the printer setup information, menu items selections and status information of the printer are provided from the printer driver (col. 5, lines 13-43). It would have been obvious to one of ordinary skill in the art at the time the invention was made to combine the teaching of Crick and Hanson because the component driver could be the function to specify the measurement unit systems to be used.

25. **As to claims 15-17**, see rejections of claims 6-8 above.

26. Claims 9 and 18 are rejected under 35 U.S.C. 103(a) as being unpatentable over Crick et al. (U.S. 5,781,797) in view of Canon Inc. (JP, 10-254708, A) further in view of Garney (U.S. 6,081,850).

Art Unit: 2126

27. **As to claim 9**, Crick does not teach the selection step including the steps of referring to a table that correlates the regional information with addresses where each piece of setup information is stored, and selecting a piece of setup information from multiple pieces of information by specifying an address corresponding to the regional information. Garney teaches device drivers are stored on a mass storage device of a computer system (col. 6, lines 1-10), the mass storage device has a look up table which maps each type of the card to a memory area of the mass storage device, and the device driver to control the card is stored in the memory area (col. 4, lines 44-55), and selecting one of the driver by specifying an address (point directly to the location on the mass storage device of the device driver; col. 9, lines 22-27). It would have been obvious to one of ordinary skill in the art at the time the invention was made to combine the teaching of Crick and Garney because it would improve the performance of Crick system by referring directly to the locations of the software that need to be installed.

28. **As to claim 18**, see rejection of claim 9 above.

29. Claim 10 is rejected under 35 U.S.C. 103(a) as being unpatentable over Crick et al. (U.S. 5,781,797) in view of Canon Inc. (JP, 10-254708, A) further in view of Harding (U.S. 5,794,052).

30. **As to claim 10**, Crick does not teach the regional information set in the computer terminal in advance includes information concerning language set in the computer terminal. Harding teaches the regional information set in the computer terminal in advance includes

Art Unit: 2126

information concerning language set in the computer terminal (The software setup ... language keyboard configuration; col. 13, lines 5-10). It would have been obvious to one of ordinary skill in the art at the time the invention was made to combine the teaching of Crick and Harding because it reduces the time needed for setting up a computer system in a user selected language version of the operating system (abstract).

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Diem K Cao whose telephone number is (703) 305-5220. The examiner can normally be reached on Monday - Thursday, 9:00AM - 5:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Meng-Ai An can be reached on (703) 305-9678. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Any response to this action should be mailed to:

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450


MENG-AL T. AN
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100